

## GAS DETECTOR

### ABSTRACT

A gas detector that includes at least one source of infrared radiation, at least two analytical detectors, each analytical detector adapted to provide an output signal indicative of a first gas of interest and positioned to receive radiation from the source of radiation, at least one reference detector adapted to receive radiation of a predetermined wavelength, a sample chamber for receiving a gaseous sample, and an optical path length disposed between the source of radiation and the analytical detectors and passing through the sample chamber.

10